BRUHAT BANGALORE MAHANAGARA PALIKE

Yelahanka Zone, Electrical Division

Name of Work:-Detailed Estimate for Special Repairs to the Pathway Lighting in Doddabomasundra Park.

Budget Head :

Estimate No:- For Rs. 1,00,000.00

Sl no	SR Page No	Description Of Work	Qty	Rate	Unit	Amount
		KPWD (Ele) S.R.2014-15				
1	P.No-23 I.No-4.18	Supplying High pressure ..... Metal halide flood light luminary suitable for use with high pressure metal halide lamp with integrated control gear. The fitting shall be non corrosive high pressure die cast aluminum housing powder coated with toughened and heat resistant glass with low copper content black/grey powder coated paint finish with EPDM gasket. Reflector shall be made of high purity pre-anodized aluminum. Cable entry through a cable gland with toggle clips. IP 65 protection for both and optical and electrical compartment. Bottom cover may be with polycarbonate / tempered / toughened glass. Luminaire efficiency should be > 60% and ambient temperature > 35 deg C. High intensity discharge Electro magnetic ballast with copper winding of Octocyclic winding coil. Class H insulated dual coated copper wire. Compliance to IEC 61347-2-9 Safety and IEC 60923- performance. Winding temperature for HID ballast tw = 130 deg C and temperature rise ?T - 70 deg C. Luminaire shall be suitable to operate on 230/250Volts 50Hz AC supply finish including wiring, ignitor, condenser. SS Toggles for opening front hingeable glass, prewired to terminal block. 4.18.3) 250Watts	8	9159.00	each	73272.00
2	P.No-56 I.No-7.4.5	Supplying of 1.1 KV LT UG cable having aluminium conductor PVC insulated, extruded inner sheathed, galvanized, steel strip confirming to IS-3975:1990 (No of Strip indicated in GTP) & extruded PVC outer sheathed armoured cable with specified IS-1554 Part-1:1998 & confirming GTP of GROUP-B 7.5.4) 4 core 16 sqmm	50	117.00	mtr	5850.00
3	P.No-61 I.No-7.8.6	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe/ stoneware pipe/ on wall/ on pole as required.II. On wall /Structure 7.8.1 6 sqmm to 16 sqmm	50	10.80	mtr	540.00
4	4 P.No-62 I.No-7.9	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7) 7.9.1) In soil (ordinary)	49	78.00	mtr	3822.00

5	5.13.1.1	Fabricating, supplying and erecting swaged tubular pole of height …Mtr having three sections, and providing two coats of red oxide paint and finished with two coats of enameled paint of approved quality and colour and M.S. base plate of suitable size welded at the bottom of the pole(as per IS) and 40mm dia GI / flexible PVC pipe of 1 mtr length fitted to the heavy gauge polycarbonate control box including 5way connector of size 167x125x82mm for 7.5M pole/200x160x98mm for remaining length of pole with front opening cover, with locking arrangements and suitable capacity MCB / DP switch, The pole shall be erected in cement concrete work (1:2:4) including excavation and refilling of planting depth of the pole to the ground level and the coping CC shall be up to 0.6M above ground level as per IS 2713 - 7. Erection of heavy duty pole on Footpath / median 9Mt (5Mt Hb,165.1mm dia 4.85mm thick x2M Hm, 139.7mm dia 4.50mm thick x 2M Ht,114.3mm dia 3.65mm thick) as per IS 410 SP 32	1.00	15000.00	Nos	15000.00
6	4 P.No-49 I.No-6.39.1	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. And M.S. flat… with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint..40x40x6mm.	5	263.00	mtr	1315.00
7	2.6	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -B.1.5 sqmm	12	15.90	mtr	190.80
		Mislenious				10.20
		TOTAL				**100000.00**

CERTIFICATE :-

1. The place was inspected and the work is essential.
2. The provision made in the estimate are adequate and necessary and the work comes in the BBMP limit and is legitimate Charges on the BBMP funds.
3. The estimate is based on KPWD (Ele) S.R.2014-15 Rates.

K.N. Reddy

Jr/ Assistant Engineer

Assistant Executive Engineer (ele)
Yelahanka Zone, BBMP

EXECUTIVE ENGINEER (ELECL)
Yelahanaka Zone, BBMP

Administrative Sanction for Rs. 1.00 Lacky
One Lakh only
is accorded under head P0298 M and R to Electrical Installations in Park and Gardens. Ply Grounds & Burial Grounds
Registered as EE No. Subject to conditions contained in enclosed memo No. EE/Ele/42/AS/34/16-17 Dt 02.03.2017

Executive Engineer

TECHNICALLY SANCTIONED FOR Rs. 1.00 Lacky
Rupees One Lakh only
Under P0298 M and R to Electrical Installations in Park and Ply Grounds Burial Grounds
Reg. No. 9 9
Sub. EE/Ele/42/TS/35/16-17
enclosed Memo ( ) Dt. 03.03.2017
Technically Sanctioned EE/Ele/42/AS/34/16-17 Dt 02.03.2017
Dated 1.00 Lacky

Executive Engineer